
US Department of Education



**FAFSA on the Web Redesign
Detail Design Document: Renewal Process**

Version 1.0

Revision History

Date	Version	Description	Author
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1 Introduction

This is the Detailed design Document for the **2001-2002 Renewal of FAFSA on the Web Redesign(a.k.a. ROTW)**, a module of the U.S. Department of Education's Web Applications web site (<http://www.fafsa.ed.gov>), which enables students to complete and submit a renewal to the Free Application for Federal Student Aid (FAFSA).

2 Object Definitions

This section contains information about the servlet HTML and jsp pages and their elements called under the Form FAFSA site and described by the tables below. This applications module can be accessed through the option for "Continue working on a saved FAFSA, FAFSA Renewal or Corrections".

2.1 Controller Objects

2.1.1 PathController

This servlet is the entry point to the application and controls the flow of navigation. The control of the navigation is tightly controlled since the user must use the navigation of the page and can not use and browser navigation. The PathController has the following properties and methods:

Properties

- CInavState – this is the object that records the navigation during the user' session.

Methods

- doGet – calls do Post
- doPost
 - adds the proper objects to the session object if the session is new
 - sets all the properties of the navstate object
 - sends the application to the correct controller (Renewal or Signature or ...)
- init – this methods initializes the paths for the pages the first time it is accessed
- isPageConsistent – checks to see if the page variable is available or sends them to the inconsistent_pages page and explains to the user that they must stick to the pages navigation.
- redr – Used to redirect to the page that is passed in as a parameter

2.1.2 NavState

This is the object that holds the navigation variables for the user's session. It has the following properties:

- iAction – the action chosen by the user. List can be found in the appendix of this document.
- iPage – the page ID. List found in the appendix of this document.
- iSavedPage – the page id of the last page the user was on when they saved the application.
- iStep – the step they were on when they saved the application.
- szDetour – the detour flag.
- szHelpURL – the path to the help file for the page.
- szLanguage – either English or Spanish.

2.1.3 RenewController

This the servlet that controls the navigation and flow of the Apply process. It has the following methods:

- doPost – this checks the action selected by the user and calls the method to deal with the action
- exit – this method takes care of calling the save application process before directing the user to an exit page.
- next – this method calls the method for the page that the user is coming from. It calls the method that corresponds to the page through the use of a switch statement.
- noop – this method is the default method if there is no navigation data set for the session. It checks if there is any stdata in the request object (user is coming from the PIN site) and decrypts that if necessary. Then is directs the user to the YES or NO PIN pages.
- prev – this method takes in the page the user is coming from and moves then back one. It finds the previous page using a switch statement and then redirects the user to that page.

- save – this method saves the application data in the temporary database and then redirects the user to the Renewapp_Save_app page.
- a method for each page that submits information (private)– individual method for each page that the user is coming from.

2.1.4 School Controller

This is the servlet that controls the navigation and flow of the school code search. It has the following methods:

- delt – this method removes the selected school from the vector of school beans in the formRenewalbean and then directs the user to the filloutapp_Step6h page.
- doPost – this method initializes the school bean vector if it does not exist and then directs the user to the correct operation based on the action the user has requested. It uses a switch statement to call the proper method based on the action. It also checks to see if the navigation is consistent with the page navigation. The user is directed to the PageInconsistency page if there is any navigation problems.
- next – calls the method that processes the search/verify functionality and then directs the user to filloutapp_step6h page.
- noop – this function is the default function if no navigation is present. It checks to see if there was any search or verify specified by the user and takes care of the functionality if needed. It also looks for the detour flag to see if the user wants to move on to the next step.
- srch – this method checks the page that the user is coming from and directs the flow to the correct function to deal with page.
- subm – this calls a function called processSchoolBeansChecked that adds the selected schools to the user by adding them to the vector of school beans in the formRenewalbean. It then directs the user to the first page, Filloutapp_step6a or the last page, Filloutapp_step6h depending on if the detour flag is set or not.
- vrfy – this method checks to see which page the user tried to verify from and then calls the function based on the page to take care of the verification processing. It then directs the user to the same page they came from with the results displayed.
- a method for each action that the user can request. An individual method to handle searching, verifying, etc. depending on the page.

2.1.5 Drug Controller

This is the servlet that controls the navigation and flow of the drug conviction worksheet. It has the following properties and methods:

Properties:

- First_date – Used to calculate the eligibility of the individual
- Last_date – Used to calculate the eligibility of the individual

Methods

- doPost – this method initializes the drug bean if it has not been accessed before and then it directs the flow to the appropriate function based on the action requested by the user. It uses a switch statement to control this.
- next – this method looks at the page that the user is coming from and directs them to the appropriate function to deal with the functionality. It uses a switch statement to control this.
- noop – this is the default if no navigation is present. This method checks the detour flag to see if the user wants to enter the drug controller or to continue on in the application process.
- prev – this method looks at the page that the user is coming from and redirects them to the previous page based on a switch statement.
- a method for each page that submits information – individual method for each page that the user is coming from.

2.1.6 Drug Bean

This is the object that holds the information about the drug conviction worksheet. It has the following properties and methods:

Properties:

- PosConvictions (int) – the number of possession convictions.
- SelConvictions (int) – the number of selling convictions.

- PosDate (Gregorian Calendar) – the date of last possession conviction
- SelDate (Gregorian Calendar) – the date of last selling conviction
- ElgDate (Gregorian Calendar) – the date of eligibility for fafsa
- ElgState (int) – if the user is eligible or not
- Convicted (int) – number of convictions
- Rehabilitated (int) – if the user was rehabilitated or not
- Removed (int) – if the convictions were removed from their record or not

Methods:

- Reconcile – the logic behind if a user is eligible or when they are to become eligible.

2.1.7 Form Renewal Bean

This object holds all the the properties to contain the data for the questions that the user answers in the Renewal process. A complete list of these fields can be found in the appendix of this document.

2.2 Completing a FAFSA

2.2.1 Intro Pages

2.2.1.1 Fill Out FAFSA - Complete004.htm – Secure

Control Type	Text or Description	Action
Heading	<p>Fill Out a Renewal FAFSA</p> <p>You may use this online application to complete and submit the Renewal Free Application for Federal Student Aid on the Web (FAFSA). You may complete and transmit this online form electronically.</p> <p>A Renewal FAFSA is designed for students who have applied for aid the previous year. If you file a Renewal FAFSA, many answers are based on your prior year's application, which cuts down on the number of questions you have to complete.</p> <p>In order to enter your Renewal FAFSA on the Web, you need to have a PIN from the Department of Education. If you do not have a PIN, or need to request your PIN again, go to the PIN Site.</p> <p>If you know your PIN, select school year and Next.</p>	N/A
Combo	<p><i>Which Renewal FAFSA do you wish to file?</i></p> <p>The 2000-2001 School Year (July 1st, 2000 - June 30th, 2001)</p>	<p>1 = 2000 – 2001 Renewal FAFSA</p> <p>2 = 2001 – 2002 Renewal FAFSA</p>

2.2.1.2 Fill Out FAFSA – Complete004_YES_PIN.htm – Secure

Control Type	Text or Description	Action
Heading	<p>Fill Out a Renewal FAFSA</p> <p>We will automatically save your application data to our secure database. To do so we need the following information. Once this information is entered, you will not be able to change it within the application. If you've entered this information incorrectly, you will need to begin a new application.</p> <p>You must remember your password to retrieve your saved application. This is to protect you and your information.</p> <p>Complete the following questions and select Next.</p>	<ul style="list-style-type: none"> N/A
Heading	<i>FAFSA on the Web</i>	N/A
Readonly	<i>What is your Social Security Number?</i>	Read-only SSN
Readonly	What is your Date of Birth?	Read-only DOB
Readonly	What are the first two (2) letters of your last name?	Read-only Namelog
Text	<p>Enter Password (4 to 8 characters):</p> <p>If you forget your password, you cannot retrieve the FAFSA you saved! Neither Customer Service nor the U.S. Department of Education has a record of your password.</p>	Length of 8
Text	Re-enter Password:	Length of 8

2.2.1.3 Fill Out FAFSA - Complete004_RecNotFound.htm – Secure

Control Type	Text or Description	Action
Heading	<p>2.3 Fill Out a Renewal FAFSA</p> <p>No Renewal FAFSA Record Found</p> <p>We could not find a match for you in our</p>	N/A

Renewal FAFSA database. Possible reasons for this are:

- You may have made a mistake typing your information on the previous page. Make sure you are entering your information correctly.
- What you entered for your Social Security Number and the first two letters of your last name may not match what we have on file.
- Your last name may have changed.
- You may not have Renewal Application data available for the academic school year you selected. Some students will not have this data. If this is the case, your PIN may pertain to another Department of Education system such as Direct Loan Servicing. You will need to fill a regular FAFSA on the Web application.

To re-enter your information so that we can locate your Renewal FAFSA, select **Try Again**.

To enter an original 2001-2002 FAFSA (instead of your Renewal FAFSA), select **Fill out a new FAFSA**.

To exit, select **Exit**.

If your last name has changed, you can apply for a PIN by selecting Request My PIN.

If you have any questions, please contact Customer Service at 1-800-801-0576 / TTY 1-800-511-5806.

2.3.1.1 Fill Out FAFSA - Complete004.htm – Secure

Control Type	Text or Description	Action
Heading	<i>Fill Out a Renewal FAFSA</i> You may use this online application to complete and submit the Renewal Free Application for Federal Student Aid on the Web (FAFSA). You may complete and transmit this online form	N/A

Combo	<p>electronically.</p> <p>A Renewal FAFSA is designed for students who have applied for aid the previous year. If you file a Renewal FAFSA, many answers are based on your prior year's application, which cuts down on the number of questions you have to complete.</p> <p>In order to enter your Renewal FAFSA on the Web, you need to have a PIN from the Department of Education. If you do not have a PIN, or need to request your PIN again, go to the PIN Site.</p> <p>If you know your PIN, select school year and Next.</p> <p><i>Which Renewal FAFSA do you wish to file?</i> <i>The 2000-2001 School Year (July 1st, 2000 - June 30th, 2001)</i> <i>The 2001-2002 School Year (July 1st, 2001 - June 30th, 2002)</i></p>	<p>1 = 2000 – 2001 Renewal FAFSA 2 = 2001 – 2002 Renewal FAFSA</p>
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2.3.1.2 Fill Out FAFSA – RenewApp_Intro.htm – Secure

Control Type	Text or Description	Action
Heading	<p>Welcome to the U.S. Department of Education's Renewal 2001 - 2002 FAFSA on the Web</p> <p>Skip introduction and begin filling out your Renewal FAFSA on the Web>></p> <p>Please read the following information before beginning FAFSA on the Web.</p> <ul style="list-style-type: none"> • What is the Renewal FAFSA on the Web? • How many steps does it take to complete? • How long will it take to complete? • What documents do I need to complete my Renewal FAFSA? • FAFSA on the Web Security and Privacy • Site Availability <p>What is the Renewal FAFSA on the Web? You may use the Renewal FAFSA to complete</p>	N/A

and submit the 2001 - 2002 Free Application for Federal Student Aid (FAFSA). For more information about the student aid programs that are available through the federal government and other sources, go to Discover Your Opportunities?

How many steps does it take to complete?

The 2001-2002 Renewal FAFSA on the Web consists of 10 steps:

Step 1: Provide Information About You - *required for all students*

Step 2: Provide Your Financial Information - *required for all students*

Step 3: Indicate Your Student Status - *required for all students*

Step 4: Provide Parents' Information - *required for students considered dependent, and optional for the independent students*

Step 5: Provide Your Household Information - *required for students considered independent*

Step 6: Indicate Which Schools Should Receive Your Information - *required for all students*

Step 7: Provide Preparer Information- *required for all students who received help completing FAFSA from a preparer*

Step 8: Review Completed FAFSA

Step 9: Provide Signatures

Step 10: Submit Your FAFSA

How long will it take to complete?

Your Renewal FAFSA should take less than one hour to complete depending on your answers and whether or not you have the necessary information available. You don't have to complete your Renewal FAFSA all at one time, you can save your application for later whenever you want.

What documents do I need to complete my Renewal FAFSA?

If you have not done so already, please review Documents Needed. In addition, you are reminded about any required documents at the beginning of each step of the FAFSA.

FAFSA on the Web Security and Privacy

Advanced technology ensures that your personal information is kept safe and private. Read more about FAFSA on the Web Security & Privacy.

Site Availability

Due to server maintenance, all applications, as

well as, Application Status Check, Duplicate SAR Request, Electronic Signatures and Federal School Code Search are unavailable every Sunday from 6 A.M. to noon (Central Standard Time). We apologize for any inconvenience this may cause.

2.3.1.3 Fill Out FAFSA – RenewApp_Intro2.htm – Secure

Control Type	Text or Description	Action
Heading	Renewal FAFSA on the Web has been designed to allow blind and low-vision users to complete the application independently using a web browser and screen reader software.	N/A
Combo	<i>Will you be using a screen reader to complete your Renewal FAFSA on the Web?</i>	1 = Yes 2 = No

2.3.1.4 Fill Out FAFSA – RenewApp_Screen_Reader.htm – Secure

Control Type	Text or Description	Action
Heading	<p>This site was designed to allow blind and low-vision users to complete the FAFSA independently using a web browser and screen reader software.</p> <p>Answer Controls Used for Responses</p> <p>Screen design is consistent throughout FAFSA on the Web. The text of each question is on the left and the control to respond to the question is on the right.</p> <p>FAFSA on the Web uses three types of controls for responses: text boxes, radio buttons, and dropdown boxes.</p> <p>Text boxes are used for questions that don't have predefined responses, such as name, address, income earned. While these fields allow for free-form entry, only certain values are valid in these fields. For example, only numbers are acceptable in the Zip Code field. If an invalid value is entered in a text box, you will be returned to the same page, with an error message displayed, and an arrow pointing to the question containing the invalid entry. The focus will be set to the question as well.</p> <p>Radio buttons are used for questions with Yes or No answers. Each answer that uses a radio button will appear on a separate line.</p> <p>Dropdown boxes are used for questions where you must</p>	N/A

chose from a list of available options. These fields do not allow for free form entry. Only the values in the list may be selected. For example, only valid state abbreviations will be available in the State dropdown field.

Since it is not possible to fit all the questions of FAFSA on the Web into one browser screen, questions are presented in a sequence of screen pages with each displaying a number of questions.

Navigating through the FAFSA on the Web Application

The left side of the screen displays your progress as you complete the application.

At the bottom of each page **Previous** and **Next** command buttons to navigate through the application. When you are ready to go to the next or previous page, always use the **Next** or **Previous** buttons. Depending on your answers to certain fields, you may not be required to answer some other questions. The **Next** or **Previous** buttons guide you to the next or previous page with required questions.

You may use the left hand side progress bar to go back to a specific step in the application that you have already completed. You can not use this progress bar to go forward in the application if you have not already completed a step. To go forward, use the **Previous** button at the bottom of each page.

Location of Utility Links

There are four utility buttons that allow you to **Save For Later**, **View FAFSA Summary**, and **Exit**.

The top of the screen will always have four hyperlinks: **Contact Us**, **Help**, **Frequently Asked Questions**, and **Online Help Chat**. When selecting one of these links, a new screen will open in a separate window so that you do not lose your place within the application.

Location of Help Topics for Each Page

Help topics are accessed by selecting the **Help with this Page** link appears at both the beginning and end of the questions on each page. Select this link to get help on a question that appears on that page. When selecting **Help with this Page**, help for that page will pop-up in a new window so that you do not lose your place within the application. When you finish reading the help topic, close the pop-up window using the **Close this Window** button or by selecting Alt-F4 and focus returns to your main application window.

2.3.2 Fill out app – Step pages

The pages for the fillout application process are the same as the apply process with the following exceptions:

- Each page is prefixed by renewapp instead of filloutapp. (Renewapp_step1b.jsp instead of filloutapp_Step1b.jsp).

- In step1b, there is no longer a question about early analysis. The new html for that step is found below. This eliminates the page step1c_x. That means that

2.3.2.1 Fill Out FAFSA Renewapp_step1b.jsp – Secure

Control Type	Text or Description	Action	Field Length
Text	9. Your date of birth: (Data can not be entered in this field.)	N/A – Data can not be entered in this field (Read Only)	8
3 Text	10. Your permanent telephone number: (Please give your telephone area code first. Enter the numbers, without parentheses or dashes. For example, 2025551212.)	ISAREACODE(), ISPREFIX(), ISEXTENSION()	10
Text	11. Your driver's license number (if any):	isDriversLicenseNumber()	20
Dropdown	12. Driver's license state:	Displayed as full state name in glossary	2
Dropdown	13. Are you a U.S. citizen?	1 = Yes, I am a U.S. citizen 2 = No, but I am an eligible noncitizen 3 = No I am not a citizen or eligible noncitizen isSelected()	1
Text	14. Alien Registration Number: (Your Alien Registration Number can be either 8 or 9 numbers. If your Alien Registration Number is 8 numbers, please enter a zero (0) before your Alien Registration Number.)	ISARN()	9
Radio buttons	15. What is your marital status as of today?	1 = I am single, divorced, or widowed 2 = I am married/remarried 3 = I am separated isChecked()	1
Text	16. Month and year you were married, separated, divorced, or widowed: (If divorced, use date of divorce or separation, whichever is earlier. Please enter this date in "mm/ccyy" format. Be sure to include the slash. For example, 08/1996)	isMonthYear()	7

2.3.3 Renewal – Review pages

The pages for the review application process are the same as the apply process with exception of the Review2 page. Each page is prefixed by renewapp instead of filloutapp. (Renewapp_step1b.jsp instead of filloutapp_Step1b.jsp).

2.3.3.1 Fill Out FAFSA Renewapp_Review2.jsp – Secure

This page is the same as the apply process page except it does not have the early analysis question. Each page is prefixed by renewapp instead of filloutapp. (Renewapp_step1b.jsp instead of filloutapp_Step1b.jsp).

Control Type	Text or Description	Action	Field Length
N/A	If you need to change an answer, select the edit button for that step and page to return to the form page that includes the question you would like to correct. Once you finish editing that question, you will be taken back to the preview page to continue reviewing the rest of your FAFSA.		N/A
N/A	The question text for each of the questions followed by the answer.	There is the page number "Page X" dividing up the questions.	N/A

	From question 1 to the last question on the drug conviction worksheet. The answers are formatted properly depending on the answer. Ex. \$ 1000		
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2.3.4 Renewal – Signature pages

The signature process is the same as the apply signature except that the student must eSign. All the options for the student to sign are not there but the parent still has the ability to chose the way they want to sign. The signature process is found under the process flow in this document. There are several pages that are not needed in this renew signature process – (Refer to the process flow to see the pages that are included). Each page is prefixed by renewapp instead of filloutapp. (Renewapp_step1b.jsp instead of filloutapp_Step1b.jsp).

2.3.5 Renewal – Submit pages

The pages for the submit application process is the same as the apply process with the exception of:

- the student must eSign the application. This changes the html for the submit1d page, described below.

2.3.5.1 Fill Out FAFSA Renewapp_submit1d.jsp – Secure

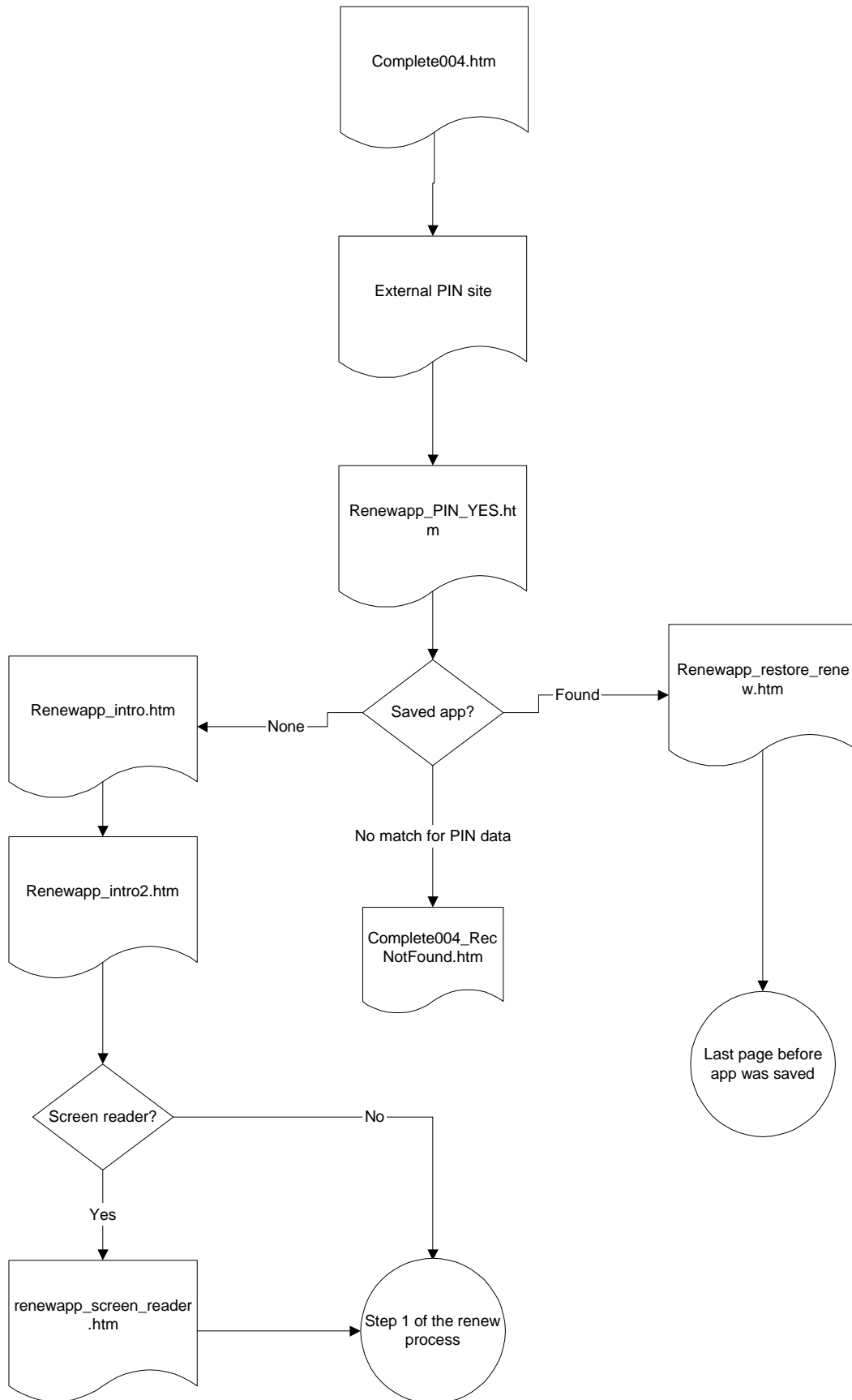
The pages for the fillout application process are the same as the apply process with the following exceptions:

- Each page is prefixed by renewapp instead of filloutapp. (Renewapp_step1b.jsp instead of filloutapp_Step1b.jsp).
- There is no option on step 1d – the student must eSign

Control Type	Text or Description	Action
Heading	To submit your Renewal FAFSA to the Department of Education, select the Submit My FAFSA Now button below. When your Renewal FAFSA is succesfully submitted, we will return to you a confirmation page with a unique confirmation number. Please print this confirmation page or, if you do not have a printer available, write down this confirmation number.	N/A

3 Process Flow

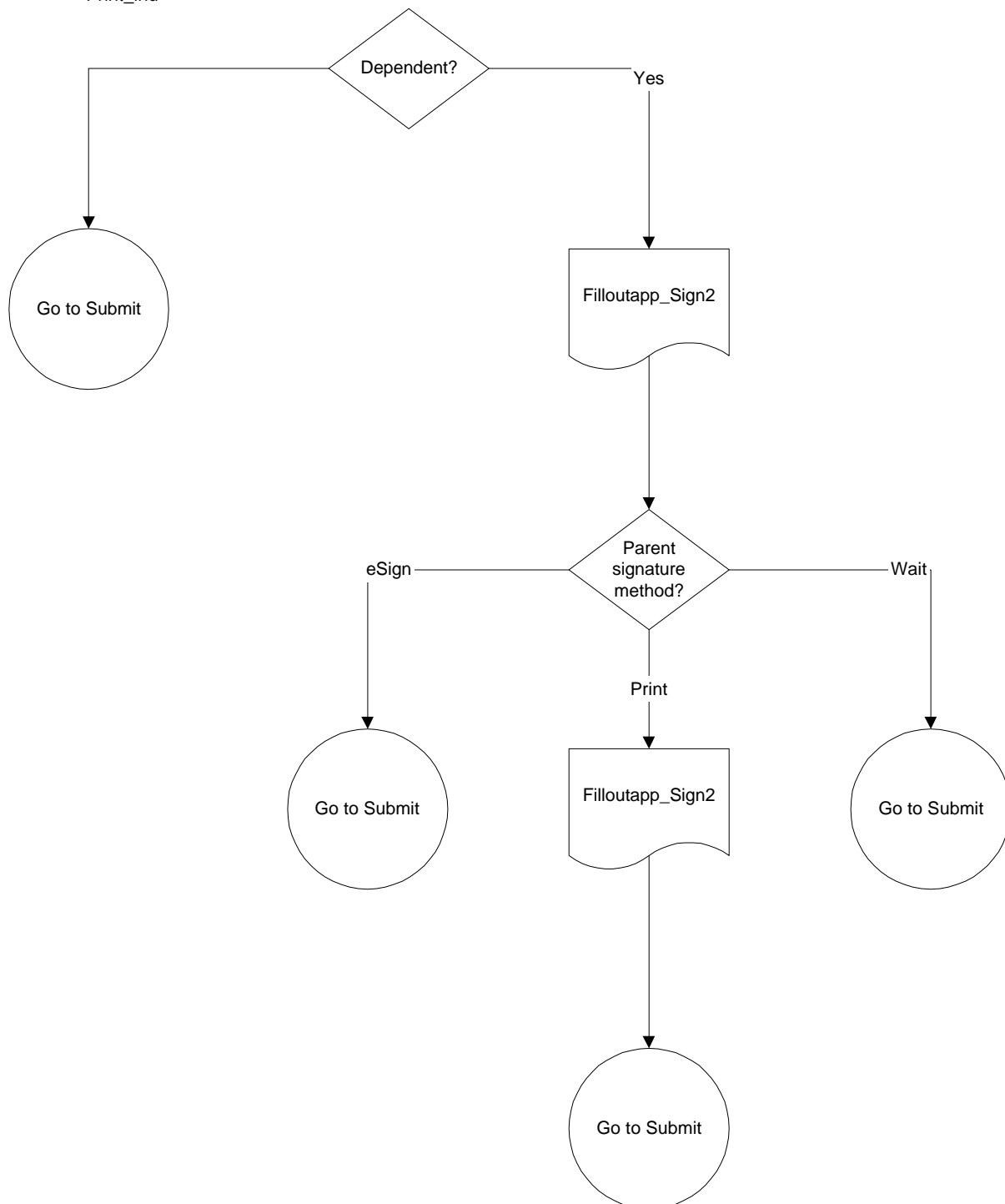
3.1 Entry Process Flow



3.2 Signature Process Flow

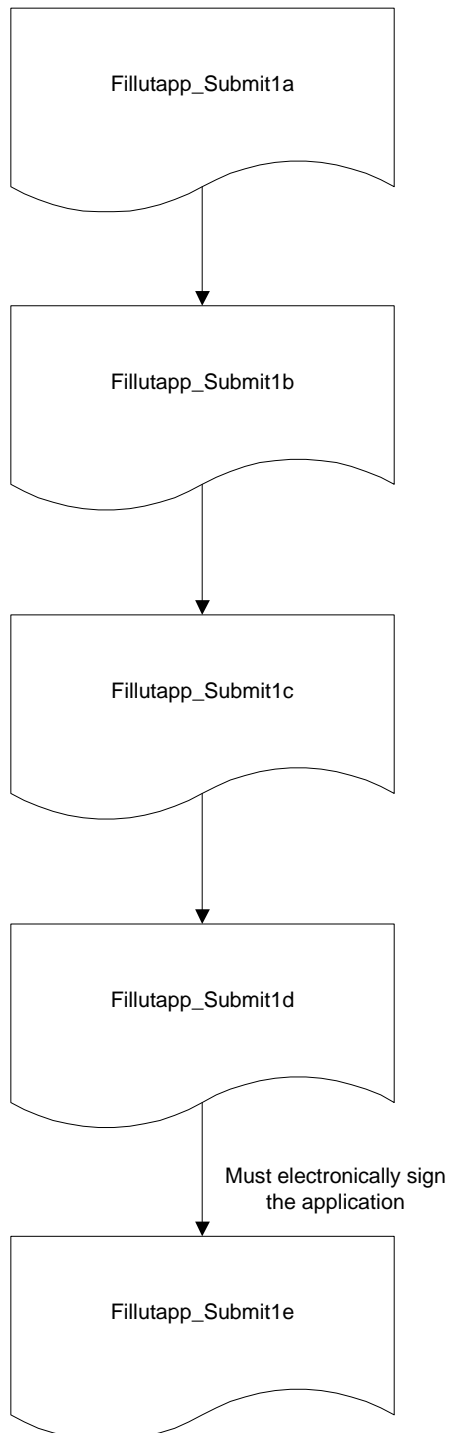
Pages not used from apply process:

- Sign1
- Dep1
- Dep3
- Print_ind



3.3 Submit Process Flow

Submit1d is different from the apply process since the student must sign electronically.



4 Appendix

4.1 Session Initialization

When the session is initialized by the user entering the application process there are two things done.

1. New NavState and FormRenewalBean objects are created
2. They are added to the new session

4.2 Page IDs

Current PageID	Step	Name/Desc.
20050	0	Renewapp_Intro
20060	0	Renewapp_Intro2
20070	0	Renewapp_ScreenReader
20110	1	Renewapp_Step1a
20120	1	Renewapp_Step1b
20130	1	Renewapp_Step1c
20135	1	Renewapp_Step1c_x
20140	1	Renewapp_Step1d
20210	2	Renewapp_Step2a
20220	2	Renewapp_Step2b
20230	2	Renewapp_Step2c
20235	2	Renewapp_Step2c_x
20240	2	Renewapp_Step2d
20250	2	Renewapp_Step2e
20260	2	Renewapp_Step2f
20270	2	Renewapp_Step2g
20310	3	Renewapp_Step3a
20320	3	Renewapp_Step3b
20325	3	Renewapp_Step3b_x
20410	4	Renewapp_Step4a
20420	4	Renewapp_Step4b
20430	4	Renewapp_Step4c
20440	4	Renewapp_Step4d
20450	4	Renewapp_Step4e
20455	4	Renewapp_Step4e_x
20460	4	Renewapp_Step4f
20470	4	Renewapp_Step4g
20480	4	Renewapp_Step4h
20490	4	Renewapp_Step4i
20510	5	Renewapp_Step5a
20515	5	Renewapp_Step5a_x
20710	7	Renewapp_Step7a
20720	7	Renewapp_Step7b
20810	8	Renewapp_Review1
20820	8	Renewapp_Review2
20830	8	Renewapp_Review3
20840	8	Renewapp_Review4
20850	8	Renewapp_Review5
20860	8	Renewapp_Review6
20870	8	Renewapp_Review7
20875	8	Renewapp_Review7a
21010	8	Renewapp_Submit1a
20910	9	Renewapp_Sign1
20920	9	Renewapp_Sign2
20930	9	Renewapp_Sign_print_ind
20940	9	Renewapp_Sign_print_dep1

Current PageID	Step	Name/Desc.
20950	9	Renewapp_Sign_print_dep2
20960	9	Renewapp_Sign_print_dep3
50110	2	DrugWorksheet_Step1
50210	2	DrugWorksheet_Step2
50310	2	DrugWorksheet_Step3
50410	2	DrugWorksheet_Step4
50510	2	DrugWorksheet_Step5a
50520	2	DrugWorksheet_Step5b
50610	2	DrugWorksheet_Step6
50710	2	DrugWorksheet_Step7
50810	2	DrugWorksheet_Step8
20610	6	Renewapp_Step6a
20620	6	Renewapp_Step6bd
20630	6	Renewapp_Step6ce
20640	6	Renewapp_Step6fg
20650	6	Renewapp_Step6h
50910	6	Drugworksheet_Exit
80210	8	EOE
80220	8	EOE_Verification
21060		Renewapp_Confirm
21120		Renewapp_Exit_App
20010	0	Renewapp_Pin_No
20020	0	Renewapp_Pin_Yes
21020	10	Renewapp_Submit1b
21030	10	Renewapp_Submit1c
21040	10	Renewapp_Submit1d
21050	10	Renewapp_Submit1e
60110	6	SchoolCode_Search
60120	6	SchoolCode_Verify

4.3 Variables

Below is a list of valid variables. They are found in the FormApplyBean.

Page: Page where the field is entered

Field Name: Name of the field where the value is stored

Description: Description of the field's purpose.

Page	Description	Field Name
step_1a	Last Name	szLastName
step_1a	First Name	szFirstName
step_1a	Middle Name	szMiddleName
step_1a	Street Address	szAddress
step_1a	City	szCity
step_1a	State	szState
step_1a	Zip Code	szZipCode
step_1a	SSN Pre-pop	
step_1b	DOB Month	
step_1b	DOB Day	
step_1b	DOB Year	

step_1b	Permanent Phone Area Code	szPhoneAreaCode
step_1b	Permanent Phone Prefix	szPhonePrefix
step_1b	Permanent Phone Extension	szPhoneExtension
step_1b	Drivers License	szDriversLicenseNumber
step_1b	Drivers License State	szDriversLicenseState
step_1b	Citizen	iCitizen
step_1b	Alien Registration Number	szARN
step_1b	Student Marital Status	iStudentMaritalStatus
step_1b	Student Marital Month	iStudentMaritalMonth
step_1b	Student Marital Year	iStudentMaritalYear
step_1b	Early Analysis	iEarlyAnalysis
step_1c	Expected Summer 2001 enrollment	iEnrollmentSummer1
step_1c	Expected Fall 2001 enrollment	iEnrollmentFall
step_1c	Expected Winter 2001-2002 enrollment	iEnrollmentWinter
step_1c	Expected Spring 2002 enrollment	iEnrollmentSpring
step_1c	Expected Summer 2002 enrollment	iEnrollmentSummer2
step_1c	Fathers highest school	iFatherHighestLevel
step_1c	Mothers highest school	iMotherHighestLevel
step_1c	State of legal residence	szStudentLegalState
step_1c	Resident before Jan. 1, 1996	iStudentResidentBefore
step_1c	Month you became a resident	iStudentResidentBeforeMonth
step_1c	Year you became a resident	iStudentResidentBeforeYear
step1c_x	Highest school your father completed	iFatherHighestLevel

step1c_x	Highest school your mother completed	iMotherHighestLevel
step1c_x	What is your state of legal residence	szStudentLegalState
step1c_x	Did you become a legal resident of this state before January 1, 1996	iStudentResidentBefore
step1c_x	Month you became a legal resident of this state	iStudentResidentBeforeMonth
step1c_x	Year you became a legal resident of this state	iStudentResidentBeforeYear
step1d	Are you a male?	iMale
step1d	Do you want the Selective Service to register you?	iSSRegister
step1d	What degree will you be working on during 01-02?	iProgramDegree
step1d	What will be your grade level when you begin the 01-02 school year?	iGradeLevel
step1d	Will you have a high school diploma or GED before you enroll?	iHSDiploma
step1d	Will you have your 1st bachelor degree before 7/1/2002	iDegreeBefore
step1d	Are you interested in student loans?	iStudentLoan
step1d	Are you interested in work study?	iStudentWorkStudy
step1d	Have you ever been convicted of possessing or selling illegal drugs?	iConvicted
step2a	For 2000, have you completed your IRS income tax return or another tax return?	iStudentFiled

step2b	What income tax return did you file or will you file for 2000?	iStudentTaxType
step2b	If you have filed or will file a 1040, were you eligible to file a 1040A or 1040EZ?	iStudentFile1040A
step2b	Wages, salaries, tips, etc.	iWages
step2b	Interest Income	iInterest
step2b	Dividends	iDividends
step2b	Other taxable income	iOther
step2b	IRS-allowable adjustments to income	iAdjustments
step2b	What was your adjusted gross income for 2000?	iAGI
step2c	Enter the total amount of your income tax for 2000	iStudentIncomeTax
step2c	Enter your exemptions for 2000	iStudentExemptions
step2c	How much did you earn from working in 2000?	iStudentIncome
step2c	How much did your spouse earn from working in 2000?	iSpouseIncome
step2c_x	How much did you earn from working in 2000?	iStudentIncome
step2c_x	How much did your spouse earn from working in 2000?	iSpouseIncome
step2d	WA1. Earned income credit from the IRS Form line:	iEIC

step2d	WA2. Additional child tax credit from IRS Form 1040-line 62 or 1040A-line 39	iChildTax
step2d	WA3. Welfare benefits, including Temporary Assistance for Needy Families	iWelfare
step2d	WA4. SS benefits received that were not taxed	iSSUntaxed
step2d	Total of Student's Worksheet A(WSA) NOTE: This is the combined total of items 72-75	iTotal
step2e	WB1. Payments to tax deferred pension and savings plans, include amounts reported on the W-2 form in Box 13, codes D, E, F, G, H, and S	iPayTaxDef
step2e	WB2. IRA deductions and payments to self-employed SEP, SIMPLE and Keogh and other qualified plans from IRS Form 1040-total of lines 23+29 or 1040A-line 16	iPayIRA
step2e	WB3. Child support received for all children	iChildSupport
step2e	WB4. Tax exempt interest income from IRS Form 1040-line 8b or 1040A-line 8b	iExemptInterest

step2e	<p>WB5. Foreign income exclusion from IRS form 2555- line 43 or 2555EZ- line 18</p>	iForeign
step2e	<p>WB6. Untaxed portions of pensions from IRS form 1040-lines (15a minus 15b) + (16a minus 16b) or 1040A- lines (11a minus 11b) + (12a minus 12b) excluding rollovers:</p>	iUntaxedPension
step2e	<p>WB7. Credit for federal tax on special fuels from IRS Form 4136 line 9 - nonfarmers only</p>	iFuel
step2e	<p>WB8. Housing, food, and other living allowances paid to members of the military, clergy, and others (including cash payments and cash value of benefits)</p>	iAllowance
step2e	<p>WB9. Veterans non-education benefits such as Disability, Death Pension, or Dependency & Indemnity Compensatin (DIC) and/or VA Educational Work Study allowances</p>	iVetBenefits

step2e	WB10. Any other untaxed income not reported elsewhere on Worksheets A and B, such as worker's comp, untaxed portions of railroad retirement benefits, Black Lung Benefits, Refugee Assistance, etc. Don't include student aid, Workforce Investments Act educational benefits, or benefits from flexible spending arrangements, eg. cafeteria plans	iOther
step2e	WB11. Cash received, or any money paid on your behalf, not reported elsewhere on this form:	iCash
step2e	Total of Student's Worksheet B(WSB) NOTE: This is total of items 78-88 above	iTotal
step2f	WC1. Education credits (Hope and Lifetime Learning tax credits) from IRS form 1040- line 46 or 1040A - line 29	iEducation
step2f	WC2. Child support paid because of divorce or separation. Don't include support for children living in your household, as reported in Question 84	iChildSupport

step2f	WC3. Taxable earnings from federal Work-Study or other need-based work programs	iWorkStudy
step2f	WC4. Student grant, scholarship, and fellowship aid, including AmeriCorps awards, that was reported to the IRS in your (the student's) adjusted gross income	iGrant
step2f	46. Total of Student's Worksheet C(WSC) NOTE: this is the total of items 91-94 above	iTotal
step2g	As of today, what is the net worth of your current investments?	iStudentInvestments
step2g	As of today, what is the net worth of your current businesses and/or investment farms?	iStudentBusiness
step2g	As of today, what is your total current balance of cash, savings, and checking accounts?	iStudentCash
step2g	If you receive veteran's education benefits, for how many months from July 1, 2001 through June 30, 2002 will you receive these benefits?	iVetEdMonths
step2g	What amount of veteran education benefits will you receive per month?	iVetEdBenefits

step3a	Were you born before 1/1/1978?	iDOBPrior
step3a	Will you be working on a master's or doctorate during the school year 01-02?	iGraduateProgram
step3a	As of today, are you married?	iMarried
step3a	Do you have children who receive more than half of their support from you?	iDependentSupport
step3a	Do you have dependents who live with you and who receive more than half of their support from you, now and through 6/30/02?	iDependentLive
step3a	Are you an orphan or ward of the court, or were you a ward of the court until age 18?	iOrphan
step3a	Are you a veteran of the U.S. Armed Forces?	iVeteran
step3b	Do you want to answer questions about your parents?	iSkipParent
step3b_x	no fields	
step4a	Marital status	iParentMaritalStatus
step4a	Fathers ssn - going to one text box	szFatherSSN
step4a	Fathers last name	szFatherLastName
step4a	Mothers ssn - going to one text box	szMotherSSN
step4a	Mothers last name	szMotherLastName

step4b	Parents other children	iParentHHSChild
step4b	Other people with parents	iParentHHSOther
step4b	# of family members	iParentHHMembers
step4b	How many college students?	iParentHHCollege
step4c	Parents state of residence	szParentLegalState
step4c	Did parents become legal before 1996?	iParentResidentBefore
step4c	Month of legal residence	iParentResidentBeforeMonth
step4c	Month of legal residence	iParentResidentBeforeYear
step4c	Age of older parent	iParentAge
step4c	Have they completed tax form yet?	iParentFiled
step4d	Type of parents income tax form	iParentTaxType
step4d	Eligible to file a 1040a?	iParentFile1040A
step4d	Parents Wages, salary, tips, etc	iWages
step4d	Parents interest income	iInterest
step4d	Parents dividends	iDividends
step4d	Other taxable income	iOther
step4d	IRS allowable adjustments	iAdjustments
step4d	Parents adjusted gross income	iAGI
step4e	Parents income tax for 2000	iParentIncome
step4e	Parents exemptions for 2000	iParentExemptions
step4e	Father earn in 2000	iFatherIncome
step4e	Mother earn in 2000	iMotherIncome

step4e_x	How much did father earn?	iFatherIncome
step4e_x	How much did mother earn?	iMotherIncome
step4f	Earned income credit	iEIC
step4f	Additional child tax credit	iChildTax
step4f	Welfare benefits	iWelfare
step4f	Social Security benefits	iSSNUntaxed
step4f	Total	iTotal
step4g	payments to tax deferred pension	iPayTaxDef
step4g	IRA deductions and payments to self employed	iPayIRA
step4g	Child support for all children	iChildSupport
step4g	Tax exempt interest income from the IRS	iExemptInterest
step4g	Foreign income exclusion	iForeign
step4g	Untaxed portion of pensions	iUntaxedPension
step4g	Credit for federal tax on fuels.	iFuel
step4g	Housing, food and other living allowances	iAllowance
step4g	Veterans non-education benefits	iVetBenefits
step4g	Any other untaxed income.	iOther
step4g	Total	iTotal
step4h	Education credits from IRS	iEducation
step4h	Child support being paid.	iChildSupport
step4h	Taxable earnings from work study?	iWorkStudy
step4h	Student grant, scholarship, etc	iGrant
step4h	Total of parents worksheet	iTotal

step4i	Net worth of your parent's investments?	iParentInvestments
step4i	Net worth of your parents businesses?	iParentBusiness
step4i	Parent's total cash?	iParentCash
step5a	Household info - # of children if provided more than 1/2 their support	iYourself
step5a	Household info - # of children if provided more than 1/2 their support	iMarried
step5a	Household info - # of children if provided more than 1/2 their support	iStudentHHSChild
step5a	Others that you have provided 1/2 their income.	iStudentHHOther
step5a	# of family members in 2001 - 2002?	iStudentHHMembers
step5a	How many of above will be college students between July 1, 2001, and June 30, 2002?	iStudentHHCCollege
step5a_x	no fields	
step6a	Search page - fill in key words.	szName szCity szState szCode0 szCode1 szCode2 szCode3 szCode4 szCode5
step6b	schoolbeans 1 - 6	

step6b	Federal School code	szCode
step6b	Name of College	szName
I	Housing plan	szHousingPlan
step6b	College city	szCity
step6b	College state	szState
step6b	Which school year are you Renewaling for?	?
step6c	Search page - fill in key words.	
step6d	schoolbeans 1 - 6	
step6d	Federal School code	szCode
step6d	Name of College	szName
step6d	Housing plan	szHousingPlan
step6d	College city	szCity
step6d	College state	szState
step6d	Which school year are you Renewaling for?	?
step6e	schoolbeans 1 - 6	
step6e	Federal School code	szCode
step6e	Name of College	szName
step6e	Housing plan	szHousingPlan
step6f	schoolbeans 1 - 6	
step6f	Federal School code	szCode
step6f	Name of College	szName
step6f	Housing plan	szHousingPlan
step6f	College city	szCity
step6f	College state	szState
step6f	Which school year are you Renewaling for?	?
step6g	schoolbeans 1 - 6	
step6g	Federal School code	szCode
step6g	Name of College	szName
step6g	Housing plan	szHousingPlan
step6g	College city	szCity
step6g	College state	szState

step6g	Which school year are you Renewing for?	?
step6h	schoolbeans 1 - 6	
step6h	Federal School code	szCode
step6h	Name of College	szName
step6h	Housing plan	szHousingPlan
step7a	Other than spouse or parents fill out your fafsa?	iPreparer
step7b	Preparer's SSN - going to one text box for SSN	szPreparerSSN
step7b	Employer ID number	szPreparerEIN

4.4 JavaScript Validation Functions

Name of Function

What it validates

IsPassword

Makes sure it does not contain certain characters
Makes sure password1 = password2

IsTwoCharacterName

Only letters

IsFieldEmpty

Length of 2

Empty field

IsDate

Must be a valid date

IsMonthYear

The month and year are valid

IsName

Must be letters

IsMiddleInitial

Length of 1

Only letters

IsAddress

Only letters and some characters allowed

IsCity

Only letters

IsZipCode

Only numbers and correct length

IsAreaCode

Length of 3 and only numbers

IsPrefix

Length of 3 and only numbers

IsExtension

Length of 4 and only numbers

IsDriversLicenseNumber	Letters and numbers
IsARN	Only numbers
IsSignedInteger	Only positive integers
IsUnsignedIntegers	All integers
IsSSN	Only numbers and correct format
IsEIN	Only numbers
IsSchoolName	Only letters and some characters
IsSixChecked	Not more than six schools selected
IsEmailAddress	Correct email address format
IsChecked	At least one radio button selected
IsSelected	Combo box selected

Navigation Action	Constant Value	Description
NOOP	10	No operation (default or first time into the application)
NEXT	11	Next page
PREV	12	Previous page
REDR	13	Redirect
CONT	14	Continue (If navigation is confused)
SAVE	15	Save the session data
EXIT	16	Exit application
SRCH	60	Search for a school code
VRFY	61	Verify as school code
DELT	62	Delete a school code
SMRY	63	Review pages
SUBM	64	Submit the application to the db

Step	Description
00	Introduction
01	Personal Info

Step	Description
02	Financial Info
03	Dependency Status
04	Parent Info
05	Household Info
06	Schools
07	Final Check/Review
08	Signatures
09	Print
10	Submit